



## Safety Data Sheet

### 1. Identification

**Product Identifier:** NutraSpear Pro Antibacterial Disinfectant Spray  
**Other means of identification:** Disinfectant  
**Recommended use:** An antibacterial spray for disinfecting and cleaning hard, non-porous surfaces  
**Recommended restrictions:** None  
**Manufacturer/Supplier:**  
**Company name:** JDM Technology, Inc.  
**Address:** 20628 Corsair Blvd  
Hayward, CA 94545  
**Telephone:** +1.510.792.8880  
**E-mail:** [www.jdmtechusa.com](http://www.jdmtechusa.com)  
**Emergency phone Number:** CHEMTREC (USA): 800-424-9300

### 2. Hazard(s) identification

**Physical hazards:** Not classified  
**Health hazards:** Serious eye damage/irritation Category 2B  
**Environmental hazards:** Hazardous to the aquatic environment, Category 2  
acute hazard  
Hazardous to the aquatic environment, Category 3  
long-term hazard  
**OSHA defined hazards:** Not classified.  
**GHS label elements:**  
**Hazard symbol** None  
**Signal word** Warning  
**Hazard statement** Cause eye irritation. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.  
**Precautionary statement:**  
**Prevention** Wash thoroughly after handling, Avoid release to the environment.  
**Response** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
**Storage** Store away from incompatible materials.  
**Disposal** Dispose of contents/container in accordance with local, state, and federal regulations.  
**Hazard(s) not otherwise classified (HNOC):** None known.  
**Supplemental Information** Not applicable.

### 3. Composition/information on ingredients

Chemical Name	CAS Number	% by Weight
Diethylene glycol monobutyl ether	112-34-5	8
Tetra sodium ethylenediamine tetra acetic acid (Na <sub>4</sub> EDTA)	64-02-8	1.6
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alternate CAS 68956-79-6)	85409-23-0	0.11
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.11
Other components below reportable levels		90.18

## 4. First-Aid Measures

<b>Inhalation:</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin Contact:</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lens, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion:</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most Important symptoms/effects, acute and delayed:</b>	Exposed individuals may experience eye tearing, redness, and discomfort.
<b>Indication of immediate medical attention and special treatment needed:</b>	If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.
<b>General information:</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

## 5. Fire-fighting Measures

<b>Suitable extinguishing media:</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical:</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions:</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods:</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards:</b>	No unusual fire or explosion hazards noted.

## 6. Accidental Release Measures

<b>Personal precautions, Protective equipment, and emergency procedures:</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
<b>Methods and materials for containment and cleaning up:</b>	<p><u>Large Spills:</u> Stop the flow of material if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.</p> <p><u>Small Spills:</u> Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use.</p> <p>Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.</p>

**Environmental precautions:**

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and Storage****Precautions for safe handling:**

Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

**Conditions for safe storage, including any incompatibilities:**

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in original tightly closed container.

**8. Exposure controls/personal protection****Occupational exposure limits:****US ACGIH Threshold Limit Values**

Components	CAS No.	Value Type	Control parameter/Permissible concentration	Form of exposure
Diethylene glycol monobutyl ether	112-34-5	TWA	10 ppm	Inhalable fraction and vapor

ACGIH: American Conference of Governmental Industrial Exposure

TWA: Time-Weight-Average

**Biological limit values:**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:**

Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

**Personal Protective Equipment:****Eye/Face protection:**

Wear safety glasses with side shields (or goggles).

**Skin protection:**

Hand protection

Wear protective gloves.

Other

Wear suitable protective clothing.

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal Hazards:**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

Appearance:	
Physical State	Liquid
Form	Liquid
Color	Not available
Odor	Not available
Odor threshold	Not available
pH	11.7
Melting point/freezing point	Not available
Initial boiling point/Boiling point range	Not available
Flash point	> 201.0 °F (> 93.9 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits:	
Flammability limit-lower (%)	Not available
Flammability limit-upper (%)	Not available
Explosive limits-lower (%)	Not available
Explosive limits-upper (%)	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility(ies): Solubility (water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Other information: Density	8.38 lbs/gal

## 10. Stability and Reactivity

<b>Reactivity:</b>	Stable and non-reactive under normal conditions of use, storage, and transport.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid:</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials:</b>	Strong acids, alkalis and oxidizing agents.
<b>Hazardous decomposition products:</b>	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

## 11. Toxicology Information

### Information on likely routes of exposure:

Inhalation	Prolonged inhalation may be harmful
Skin Contact	Causes mild skin irritation.
Eye Contact	Causes eye irritation.
Ingestion	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics:** Exposed individuals may experience eye tearing, redness, and discomfort.

### Information on toxicology effects:

#### Acute toxicity of the Product:

Test	Species	Result
Acute Dermal LD 50	Rabbit	> 5 g/kg
Acute inhalation LC 50	Rat	> 2.43 mg/L
Acute oral LD 50	Rat	> 5 g/kg

<b>Skin Corrosion/irritation:</b>	Cause mild skin irritation.
<b>Serious eye damage/eye irritation:</b>	Cause eye irritation.
<b>Respiratory sensitization:</b>	Not available.
<b>Skin sensitization:</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity:</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity:</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity.** Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.100-1052)** Not regulated.

**US National Toxicology Program (NTP) Report on Carcinogens** Not listed.

<b>Reproductive toxicity:</b>	This product is not expected to cause reproductive or development effects.
<b>Specific target organ toxicity-single exposure:</b>	Not applicable.
<b>Specific target organ toxicity-repeated exposure:</b>	Not applicable.
<b>Aspiration hazard:</b>	Not applicable.

## 12. Ecological Information

**Ecotoxicity:** Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

**Persistence and degradability:** Expected to be readily biodegradable.

#### Bioaccumulative potential:

Name	Octane-water Partition Coefficient ( in Log K <sub>ow</sub> )
NutraSpear Pro Antibacterial Disinfectant Spray	No Data Available
Diethylene glycol monobutyl ether	0.56

<b>Mobility in soil:</b>	No data available.
<b>Other adverse effects:</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions:**

**PESTICIDE DISPOSAL** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL** Nonrefillable container. Do not reuse or refill container. Clean container promptly after emptying.

For containers 5 gallons or less:

Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

For containers greater than 5 gallons:

Triple rinse as follows: Fill container 1/4 full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

**Hazardous waste code:** The waste code should be assigned in discussion between the user, the producer, and the waste disposal company.

**Waste from residues/unused products:** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its containers must be disposed of in a safe manner.

**Contaminated packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and IBC code</b>	Not available.

## 15. Regulatory information

### US federal regulations

This product is a US EPA registered pesticide.

EPA Registration Number: 1839-83-96271

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### **Toxic Substances Control Act (TSCA):**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)** Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)** Not regulated.

### **Superfund Amendments and Reauthorization Act of 1986 (SARA):**

**SARA 302 Extremely hazardous substance** Not listed.

**SARA 304 Emergency release notification** Not regulated.

**SARA 313 (TRI Reporting)** Not regulated.

**SARA 311/312 Hazardous Chemical** Yes  
**Classified chemical category:** Serious eye damage or eye irritation.

**Clean Water Act (CAA) Section 112 Hazardous Air Pollutants List** Not regulated.

**Clean Water Act (CAA) Section 112(r) Accidental Release Prevention** Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**FIFRA Information** This chemical is a pesticide product registered by the EPA and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal Word: CAUTION  
Hazard Statement: Causes moderate eye irritation.  
This pesticide is toxic to fish.

### US state regulations

**California Proposition 65:** WARNING: This product can expose you to chemicals including Acetaldehyde, which are known to the State of California to cause cancer. This product can expose you to chemicals including Ethylene Glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



### **California Proposition 65 – CRT: Listed data/Carcinogenic substance**

1,4-dioxane (CAS123-9-1) Listed: January 1, 1998

Acetaldehyde (CAS 75-07-0) Listed: April 1, 1988

### **California Proposition 65 – CRT: Listed date/Development toxin**

Ethylene Glycol (CAS 107-21-1) Listed: June 19, 2015

**The components of this product are reported in the following inventories:**

**United States & Puerto Rico:** Toxic Substances Control Act (TSCA) Inventory

**Canada:** Domestic Substances List (DSL)

## 16. Other information

Issue Date: 06-09-2021

Version: 1.1

**Disclaimer:** This SDS is designated only as guidance for safety handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification the product which is applies. The information provided in this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information related only to the specific material designated and may not be valid for such material used in combination with other materials in any process, unless specified in the text.